MULTIMEDIA UNIVERSITY

STUDENT IDENTIFICATION NO

MULTIMEDIA UNIVERSITY

FINAL EXAMINATION

TRIMESTER 2, 2019/2020

BAC4624 – ADVANCED ACCOUNTING INFORMATION SYSTEMS

(All Sections / Groups)

4th March 2020
9.00 a.m – 12.00 p.m
(3 Hours)

INSTRUCTIONS TO STUDENTS

1. This Question paper consists of 3 pages excluding cover page with 4 Questions only.
2. Answer all **FOUR** questions. Mark distribution for each question is given.
3. Please write all your answers in the Answer Booklet provided.

QUESTION 1

Below is the partial narrative of the order fulfilment and delivery process of Company HM:

Once the sales order is sent by the sales office to the warehouse clerk, the warehouse clerk manually prepares a picking slip. This is then used to pick the goods the customer has ordered and pack the goods in a box. As the goods are packed, the items on the picking slip are initialled to indicate that the correct quantities have been taken from the shelves. The goods, sales order and picking slip are then forwarded to the dispatch administrator who compares the details of the picking slip to the items in the box. If there is any discrepancy between the packed goods and the documentation, the warehouse manager resolves the difference.

Once the goods and the documentation are matched, the dispatch administrator keys the details of the order into the computer; the details are stored in the 'goods packed' file. The computer then displays a list of approved couriers. The list of approved couriers is stored by the computer in the 'authorised carrier' file. The administrator selects a supplier from the list and clicks on 'Confirm'. The computer then retrieves the details from the goods packed file, adds the courier details, saves the updated data in the goods packed file and displays the full details on the computer screen. The dispatch officer reviews the details on the screen and clicks 'Accept details'. The computer then creates a shipping notice, which is stored in the 'shipping notice' file and a bill of lading, which is stored in the 'bill of lading' file.

Two copies of the shipping notice and one copy of the bill of lading are printed. The bill of lading and one copy of the shipping notice are attached to the goods and placed in the shipping area, where the courier collects them and delivers them to the customer. The original copy of shipping notice is filed in the 'shipping documentation' file.

Required:

a) Display a context diagram to document the above process. (3 marks)

b) Show a Level-0 DFD to document the above process. (9 marks)

c) Show a system flowchart for the above process. (13 marks)

(Total: 25 marks)

Continued...

QUESTION 2

a) Radio-frequency identification (RFID) is the wireless non-contact use of radio-frequency electromagnetic fields to transfer data, for the purpose of automatically identifying and tracking tags attached to objects. RFID has been observed to be more practical to be used in Asset Management compared to Bar Codes. Discuss whether you agree or disagree with this statement by providing **THREE (3)** reasons. (10 marks)

b) Enterprise Resource Planning (ERP) system integrates operations into a single real-time system, which spreads across all sites and departments. Despite numerous advantages that organisation can enjoy through ERP system, many organisations are still reluctant to go ahead with this integrated system. Elaborate **THREE (3)** reasons why.

(10 marks)

c) E-commerce is the electronic processing and transmission of business data. One of the most popular e-commerce activities involves the electronic buying and selling of goods and services. Explain **TWO (2)** disadvantages of e-commerce.

(5 marks)

(Total 25 marks)

QUESTION 3

a) In the first stage of System Development Life Cycle (SDLC), System Analysis stage, the go-no-go decision to proceed to the next stage (Conceptual Design), is made up of three times. Describe all of these **THREE (3)** instances. (10 marks)

b) Prototyping is an approach to systems design that simplified working model of the developed system. Critique this approach in terms of its advantages and disadvantages. (12 marks)

c) In purchasing a ready-made software, getting the right vendor is crucial. List **THREE (3)** ways to find a vendor.

(3 marks)

(Total 25 marks)

Continued...

QUESTION 4

a) A new system can be obtained by outsourcing. Interpret the term *outsourcing* and determine **TWO (2)** downsides to outsourcing.

(8 marks)

b) Two outputs from systems are *scheduled reports* and *demand reports*. Compare the two reports by determining **ONE (1)** similarity and **ONE (1)** difference between these two reports. Construct as well **ONE (1)** example of each report.

(8 marks)

c) An organisation has multiple branches around the country. Since the system they have been using is more than 15 years old, the organisation plans to convert all the branches' old system to a new one.

i. Recommend which of the system conversion method would be most appropriate for the organisation. Justify your answer.

ii. Describe **ONE (1)** advantage and **ONE (1)** disadvantage of the conversion method that you recommended above.

(9 marks)

(Total: 25 marks)

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